

(Model.)

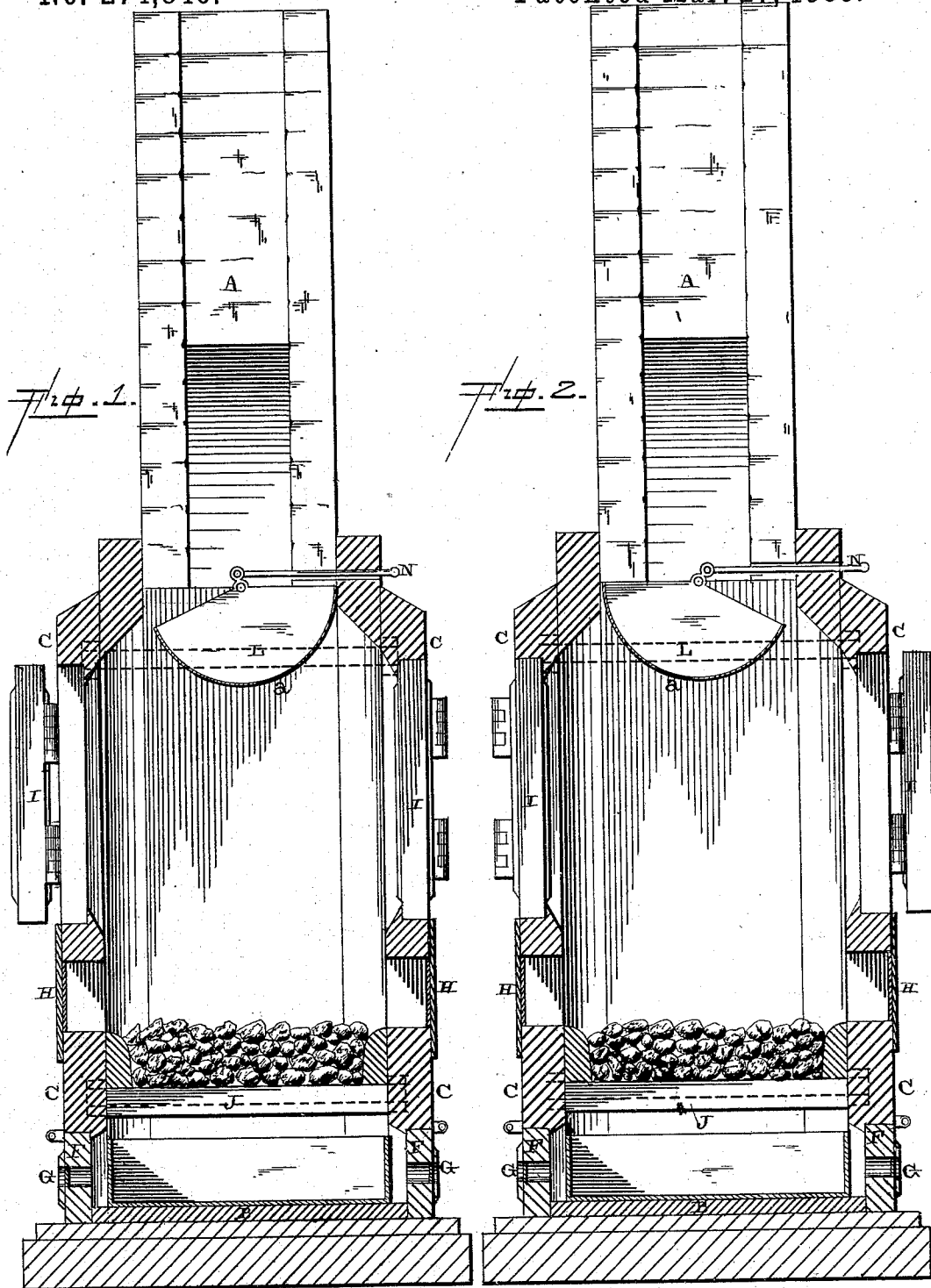
2 Sheets—Sheet 1.

M. Y. THOMPSON.

FIRE PLACE.

No. 274,846.

Patented Mar. 27, 1883.



— Witnesses —
Louis F. Gardner
C. B. York

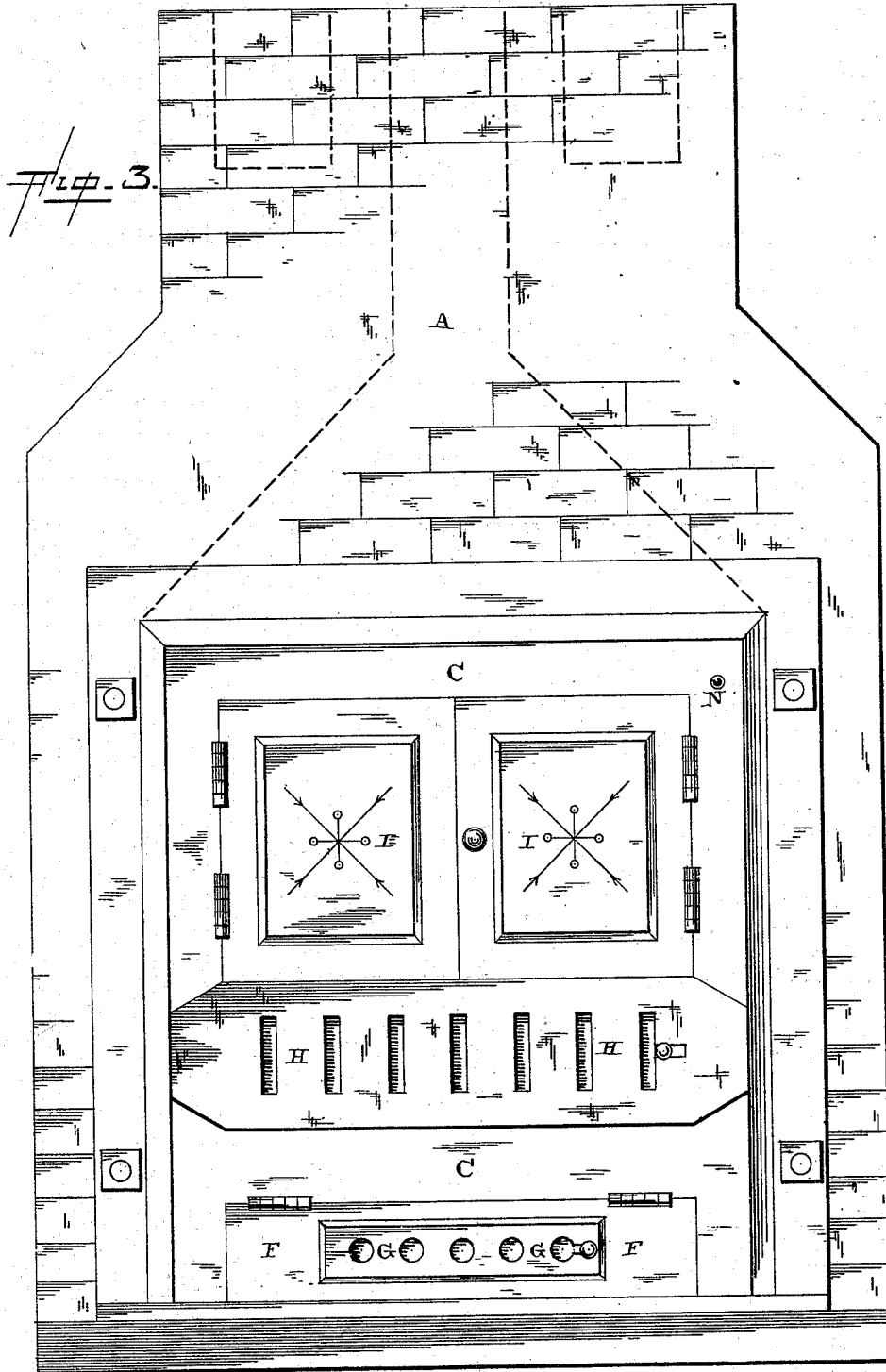
— Inventor —
M. Y. Thompson.
J. A. Lehmann, atty.

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per
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UNITED STATES PATENT OFFICE.

MELCHESEDECK Y. THOMPSON, OF ARKADELPHIA, ARKANSAS, ASSIGNOR
OF ONE-HALF TO C. L. THOMAS, OF SAME PLACE.

FIRE-PLACE.

SPECIFICATION forming part of Letters Patent No. 274,846, dated March 27, 1883.

Application filed December 30, 1882. (Model.)

To all whom it may concern :

Be it known that I, MELCHESEDECK Y. THOMPSON, of Arkadelphia, in the county of Clark and State of Arkansas, have invented certain new and useful Improvements in Fire-Places; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in fire-places; and it consists, first, in a double fire-place, which is provided with doors and ventilators for two separate rooms, upon opposite sides of the chimney, in combination with a semicircular deflector, for the purpose of deflecting the heat into either one of the rooms; second, in the combination of a double fire-place provided with doors and ventilators upon each side, with a curved deflector, provided with suitable perforations, and which can be tilted from one side to the other, so as to act as a deflector for either room, as will be more fully described hereinafter.

The object of my invention is to provide a fire-place which can be used for either one of two rooms at a time, and thus be alternately used for both rooms, as occasion may require, and thus save the expense of a separate heater for each room, and at the same time allow the construction of the chimney to be greatly cheapened.

Figure 1 is a vertical cross-section of a double fire-place embodying my invention. Fig. 2 is a similar view, showing the deflector moved so as to deflect the heat in an opposite direction from that shown in Fig. 1. Fig. 3 is a side elevation of my invention complete.

A represents the chimney, which will be made of the same thickness all the way up, and provided with a number of different flues, according to the height of the building. This chimney is to be built between two rooms and will have an opening through each which is common to both rooms alike. In the bottom of the opening in the chimney will be placed a metallic plate, B, which rests upon a suitable base, and which fits snugly inside of the opening, without being built in any way in any of

the brick-work. The two fronts C are applied to opposite sides of the chimney, and are then bolted together or secured in position in any suitable manner. Each front will be provided with an ash-door, F, at the bottom, which will be provided with a suitable register, G, and with a register or ventilator, H, upon its side, and with suitable doors, I. The ash-doors will be hung so that when they are closed their lower edges will strike against the plate B, and thus prevent any draft to the fire except through the registers. The grate-bars J, upon which the fire is to be built, will be supported between the two fronts, which have suitable recesses formed upon their inner-sides to receive their ends. Each one of the fronts will also have a suitable flange formed upon its inner side, so as to catch just far enough inside of the brick-work to form a tight joint.

Pivoted in the top of the fire-place is the semicircular deflector L, which deflector is adapted to be tilted or rocked from side to side by means of the rod or handle N, one of which may project into each of the two rooms, so as to throw the heat into either room that may be desired. When the fire is intended for one room the doors and the registers in the opposite room are closed, and the deflector is then shifted so as to throw the heat out into the room. When the deflector is shifted it will hang as shown in Figs. 1 and 2, when all the products of combustion will pass up over its lower edge and in the direction of the room it is desired to heat. The doors I of the fire-place can be opened on one side only at a time, for if the doors were opened on both sides at once the smoke and gas would be swept into one or both of the rooms by every current of air that swept through the rooms. While this fire-place can be opened upon only one side at a time, the front which is closed becomes sufficiently heated to impart a gentle warmth to that room in which it is placed. If so desired, the perforations a through the deflector may be provided with dampers, so as to control the draft. The principal use of these openings is to enable the soot and deposit on the deflector to be cleaned off. The flues above will be built alongside of the flue for the fire-place in the lower room, but without in any manner in-

creasing the thickness of the chimney, which will be the same all the way up.

By means of the construction above described a single fire-place is made to answer for two rooms, at a cost no greater than for a heater for one room alone. The closed front here shown prevents all liability of accidents such as constantly occur with ordinary open grates.

I am aware that double heaters for two rooms are old.

Having thus described my invention, I claim—

1. The combination of a chimney having an opening through it so as to communicate with two rooms, with the grate-fronts which are applied thereto upon opposite sides, and have the grate-bars supported between them, and a suitable deflector for throwing the heat into either room, substantially as shown.

2. In a fire-place having openings into two

apartments, a deflector provided with suitable rods or handles by means of which it may be rocked or tilted, so as to deflect the heat into either of the two rooms, substantially as described.

3. The combination of a fire-place which is common to both of two rooms, a plate, B, which is placed inside and at the bottom of the fire-place, the two grate-fronts, which are applied to opposite sides of the chimney, and the swinging deflector, which can be moved so as to throw the heat into either room, both of the grate-fronts being provided with suitable registers, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

MELCHESEDECK YOUNG THOMPSON.

Witnesses:

SAM D. CALLAWAY,
J. M. RAMSEY.